

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

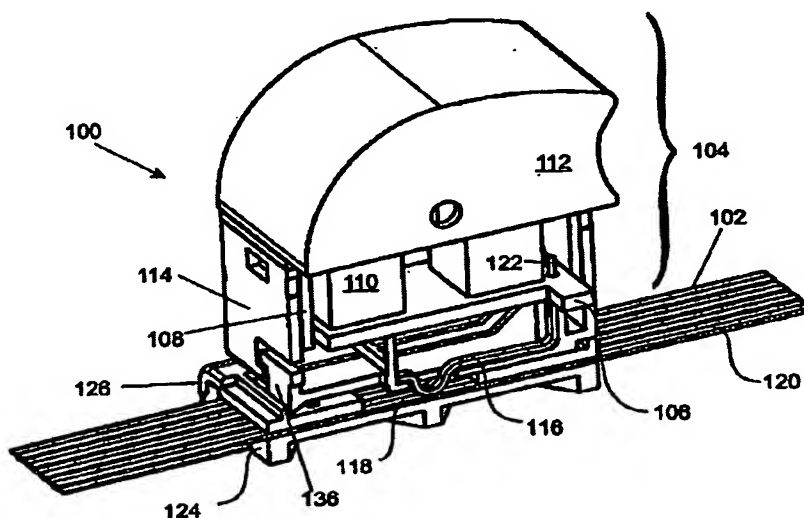
PCT

(10) International Publication Number
WO 2005/041361 A1

- (51) International Patent Classification?: **H01R 12/08, H01H 1/58**
- (21) International Application Number: **PCT/EP2004/010999**
- (22) International Filing Date: **1 October 2004 (01.10.2004)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
103 48 045.5 15 October 2003 (15.10.2003) DE
- (71) Applicants (for all designated States except US): **TYCO ELECTRONICS AMP GMBH [DE/DE]; Amperestrasse 12-14, 64625 Bensheim (DE). AUDI AG [DE/DE]; 85057 Ingolstadt (DE).**
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **GIMBEL, Markus [DE/DE]; Werkstrasse 63, 85107 Baar-Ebenhausen (DE). GLASER, Stephan-Ernst [DE/DE]; Friedrich-Ebert-Str. 3, 64646 Heppenheim (DE). SCHLINKHEIDER, Jörg [DE/DE]; Beilngrieser Str. 109, 85055 Ingolstadt (DE).**
- (74) Agent: **KUHL, Dietmar; Grünecker, Kinkeldey, Stockmair & Schwanhäusser Maximilianstrasse 58, 80538 München (DE).**
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.**
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): **ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).**
- Published:
— with international search report

[Continued on next page]

(54) Title: **ELECTRICAL CONNECTOR FOR A FLEXIBLE FLAT CONDUCTOR AND A SWITCH DEVICE**



(57) Abstract: Electrical connector for electrically contacting a conductive line (120) embedded in a foil cable (102), wherein the electrical connector comprises an insulating housing, which at least partially encloses the foil cable (102), and at least one contact element (116) for electrically contacting the conductive line (120), wherein the insulating housing comprises a contact housing (114), in which the at least one contact element (116) is received, and a foil holder (126), which is separated therefrom, which may be mechanically fixed to the foil cable (102) and is joined to the contact housing (114) such that the contact element (116) abuts the conductive line (120) in a contact region (118).